

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A hybrid dispersion, comprising:
one or more polyadducts and one or more free-radical addition polymers,
wherein the hybrid dispersion is obtained ~~obtainable by: first emulsifying the~~
~~constituent monomers of said polyadducts and polymers in water~~
emulsifying a monomer mixture comprising the monomers of the polyadduct and the
monomers of the polymer with water, and then
conducting ~~[[the]]~~ a polyaddition to ~~prepare~~ form the polyadducts and ~~[[the]]~~ a free-
radical addition polymerization to ~~prepare~~ form the polymers,
wherein the respective monomers being monomer mixture is emulsified in water
before 40% by weight of the monomers of ~~which the polyadducts are composed~~ polyadduct
have reacted to form the polyadduct ~~such polyadducts~~.

Claim 2 (Currently Amended): The hybrid dispersion as claimed in claim 1,
~~obtainable~~ obtained by conducting the polyaddition and the free-radical addition
polymerization in an aqueous miniemulsion whose monomer droplets have a monomer
particle size of not more than 1000 nm.

Claim 3 (Currently Amended): The hybrid dispersion as claimed in claim 1,
~~obtainable~~ obtained by emulsifying the ~~respective monomers~~ monomer mixture in water
before 20% by weight of the monomers of ~~which the polyadducts are composed~~ polyadduct
have reacted to form ~~such polyadducts~~ the polyadduct.

Claim 4 (Currently Amended): The hybrid dispersion as claimed in claim 1, ~~obtainable~~ obtained by emulsifying the respective monomers in water before 5% by weight of the monomers of ~~which the polyadduct polyadducts are composed~~ have reacted to form ~~such polyadducts~~ the polyadduct.

Claim 5 (Previously Presented): The hybrid dispersion as claimed in claim 1, comprising polyurethanes and polyurethaneureas as polyadducts.

Claim 6 (Previously Presented): The hybrid dispersion as claimed in claim 1, comprising polyadducts formed by reaction of epoxide groups with alcohols, acids, amines or anhydrides.

Claim 7 (Currently Amended): The hybrid dispersion as claimed in claim 1, comprising free-radical addition polymers ~~composed~~ comprising in total ~~of~~ at least 40% by weight of principal monomers selected from C₁ to C₂₀ alkyl (meth)acrylates, C₃ to C₂₀ cycloalkyl (meth)acrylates, vinylaromatics having up to 20 carbon atoms, vinyl esters of carboxylic acids having 1 to 20 carbon atoms, ethylenically unsaturated nitriles, vinyl ethers of alcohols containing 1 to 10 carbon atoms, vinyl halides, nonaromatic hydrocarbons having 2 to 8 carbon atoms and one or two conjugated double bonds, and mixtures of these monomers.

Claim 8 (Currently Amended): The hybrid dispersion as claimed in claim 1, wherein the proportion of the polyadducts based on the sum of the fractions of the polyadducts and of the free-radical addition polymers ~~being~~ is from 1 to 99% by weight.

Claim 9 (Currently Amended): A process for preparing a hybrid dispersion comprising polyadducts and free-radical addition polymers, which comprises:

~~first emulsifying the constituent monomers of said polyadducts and polymers in water~~
emulsifying a monomer mixture comprising the monomers of the polyadduct and the monomers of the polymer with water, and then

conducting ~~[[the]]~~ a polyaddition to prepare the polyadducts and ~~[[the]]~~ a free-radical addition polymerization to prepare the polymers,

~~wherein the respective monomers being monomer mixtures is~~ emulsified in water before 40% by weight of the monomers of ~~which the polyadducts are composed~~ polyadduct have reacted to form ~~such polyadducts~~ the polyadduct.

Claim 10 (Previously Presented): The process as claimed in claim 9, wherein the polyaddition and the free-radical addition polymerization are conducted at the same time.

Claim 11 (Previously Presented): The process as claimed in claim 9, wherein first the polyaddition and then the free-radical addition polymerization is conducted.

Claim 12 (Previously Presented): The process as claimed in claim 9, wherein first the free-radical addition polymerization and then the polyaddition is conducted.

Claim 13 (Previously Presented): The process as claimed in claim 9, conducted in a miniemulsion generated by means of ultrasound or by means of a nozzle jet emulsifier.

Claim 14 (Previously Presented): The process as claimed in claim 9, wherein the free-radical addition polymerization is conducted at temperatures of from 20 to 150°C.

Claim 15 (Previously Presented): The process as claimed in claim 9, wherein the polyaddition is conducted at temperatures from 30 to 120°C.

Claim 16 (Previously Presented): The process as claimed in claim 9, wherein the free-radical addition polymerization or the polyaddition is performed under superatmospheric pressure.

Claim 17 (Previously Presented): The process as claimed in claim 9, wherein the addition polymerization is conducted with induction by radiation.

Claim 18 (Previously Presented): A binder for coating compositions or impregnating compositions comprising the hybrid dispersion as claimed in claim 1.

Claim 19 (Previously Presented): A binder in adhesives, varnishes, paints, paper coating slips or fiber webs comprising the hybrid dispersion as claimed in claim 1.

Claim 20 (Previously Presented): A method for binding a material comprising utilizing the hybrid dispersion as claimed in claim 1 as a binder.

Claim 21 (Previously Presented): The method for binding a material as claimed in claim 20 wherein said material is at least one selected from the group consisting of a coating composition, an impregnating composition, an adhesive, a varnish, a paint, a paper coating slip and a fiber web.

Claim 22 (New): The hybrid dispersion as claimed in claim 1, wherein the average particle size of the dispersion is from 92 to 110 nm.

Claim 23 (New): The hybrid dispersion as claimed in claim 1, wherein the monomer mixture comprises isophorone diisocyanate, dodecane diol and styrene.

Claim 24 (New): The hybrid dispersion as claimed in claim 1, wherein the monomer mixture comprises isophorone diisocyanate, dodecane diol and an acrylate.